

162174

From: Bowman, Amy
Sent: Wednesday, September 28, 2005 3:01 PM
To: STIC-Biotech/ChemLib
Cc: Bowman, Amy
Subject: sequence search-10/738,413

Hello,
I need SEQ ID NO: 1 searched in application 10/738,413, with lower and upper limits of 21 and 30 nucleobases, respectively.

Thank you,
Amy Bowman
AU 1635
REM 2C31
mail REM 2C18
571-272-0755

CRFE

Barb O Breyer

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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FEATURES		JOURNAL		PATENT	
Query Match	63.8%; Score 13.4; DB 6; Length 25; /mol_type="genomic DNA"	Best Local Similarity 80.0%; Pred. No. 1.9e+04; 2; Mismatches 1; Indels 0; Gaps 0;	Length 23; Matches 12; Conservative	Location/Qualified	US 6725334-A 12 20-APR-2004;
QY	2 AGGACUCGCCAGUGC 16 16 AGGACUCGCCAGUGC 2	QY	1.23	1.23	
Db		Db			
RESULT 8		RESULT 8		RESULT 8	
LOCUS	128239	LOCUS	128239	LOCUS	128239
DEFINITION	Sequence 15 from patent US 5569753.	DEFINITION	Sequence 15 from patent US 5569753.	DEFINITION	Sequence 15 from patent US 5569753.
ACCESSION	128239	ACCESSION	128239	ACCESSION	128239
VERSION	1	VERSION	1	VERSION	1
TITLE	Wigler, M. and Litsky, N.	TITLE	Wigler, M. and Litsky, N.	TITLE	Wigler, M. and Litsky, N.
JOURNAL	Cancer detection probes	JOURNAL	Cancer detection probes	JOURNAL	Cancer detection probes
FEATURES	Patent: US 5569753-A 15 29-OCT-1996; Location/Qualifiers 1. .25 /organism="unknown" /mol_type="unassigned DNA"	FEATURES	Patent: US 5569753-A 15 29-OCT-1996; Location/Qualifiers 1. .25 /organism="unknown" /mol_type="unassigned DNA"	FEATURES	Patent: US 5569753-A 15 29-OCT-1996; Location/Qualifiers 1. .25 /organism="unknown" /mol_type="unassigned DNA"
ORGANISM	Unknown.	ORGANISM	Unknown.	ORGANISM	Unknown.
REFERENCE	Unclassified.	REFERENCE	Unclassified.	REFERENCE	Unclassified.
AUTHORS	1 (bases 1 to 25)	AUTHORS	1 (bases 1 to 25)	AUTHORS	1 (bases 1 to 25)
QY	1 UAGGACUCGCCAGUGC 15	QY	1 UAGGACUCGCCAGUGC 15	QY	1 UAGGACUCGCCAGUGC 15
Db	3 TAGGAACTGCCAGTG 17	Db	3 TAGGAACTGCCAGTG 17	Db	3 TAGGAACTGCCAGTG 17
ORIGIN		ORIGIN		ORIGIN	
RESULT 9		RESULT 9		RESULT 9	
LOCUS	AR195002	LOCUS	AR195002	LOCUS	AR195002
DEFINITION	Sequence 24 from patent US 6350576.	DEFINITION	Sequence 24 from patent US 6350576.	DEFINITION	Sequence 24 from patent US 6350576.
ACCESSION	AR195002	ACCESSION	AR195002	ACCESSION	AR195002
VERSION	25 bp	VERSION	25 bp	VERSION	25 bp
KEYWORDS	DNA	KEYWORDS	DNA	KEYWORDS	DNA
SOURCE	linear	SOURCE	linear	SOURCE	linear
ORGANISM		ORGANISM		ORGANISM	
REFERENCE	Unknown.	REFERENCE	Unknown.	REFERENCE	Unknown.
AUTHORS	Unclassified.	AUTHORS	Unclassified.	AUTHORS	Unclassified.
TITLE	1 (bases 1 to 25)	TITLE	1 (bases 1 to 25)	TITLE	1 (bases 1 to 25)
JOURNAL	Wigler, M. and Litsky, N.	JOURNAL	Wigler, M. and Litsky, N.	JOURNAL	Wigler, M. and Litsky, N.
FEATURES	Cancer detection probes	FEATURES	Cancer detection probes	FEATURES	Cancer detection probes
SOURCE	Patent: US 6350576-A 24 26-FEB-2002; Location/Qualifiers 1. .25 /organism="unknown" /mol_type="unassigned DNA"	SOURCE	Patent: US 6350576-A 24 26-FEB-2002; Location/Qualifiers 1. .25 /organism="unknown" /mol_type="unassigned DNA"	SOURCE	Patent: US 6350576-A 24 26-FEB-2002; Location/Qualifiers 1. .25 /organism="unknown" /mol_type="unassigned DNA"
ORIGIN		ORIGIN		ORIGIN	
RESULT 10		RESULT 10		RESULT 10	
LOCUS	AX183809	LOCUS	AX183809	LOCUS	AX183809
DEFINITION	Sequence 1562 from Patent WO0142511.	DEFINITION	Sequence 1562 from Patent WO0142511.	DEFINITION	Sequence 1562 from Patent WO0142511.
ACCESSION	AX183809	ACCESSION	AX183809	ACCESSION	AX183809
VERSION	AX183809.1	VERSION	AX183809.1	VERSION	AX183809.1
KEYWORDS		KEYWORDS		KEYWORDS	
SOURCE		SOURCE		SOURCE	
ORGANISM	Homo sapiens (human)	ORGANISM	Homo sapiens	ORGANISM	Homo sapiens
REFERENCE	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	REFERENCE	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	REFERENCE	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
AUTHORS	Daly, M., Hudson, T.J., Lander, E.S., Rioux, J. and Smirnovitch, K.	AUTHORS	Daly, M., Hudson, T.J., Lander, E.S., Rioux, J. and Smirnovitch, K.	AUTHORS	Daly, M., Hudson, T.J., Lander, E.S., Rioux, J. and Smirnovitch, K.
TITLE	Ibd-related polymorphisms	TITLE	Ibd-related polymorphisms	TITLE	Ibd-related polymorphisms
JOURNAL	Patent: WO 012511-A 15 21-APR-2001; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Ellipsis Biotherapeutics Corporation (CA)	JOURNAL	Patent: WO 012511-A 15 21-APR-2001; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Ellipsis Biotherapeutics Corporation (CA)	JOURNAL	Patent: WO 012511-A 15 21-APR-2001; WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Ellipsis Biotherapeutics Corporation (CA)
FEATURES	Location/Qualifiers	FEATURES	Location/Qualifiers	FEATURES	Location/Qualifiers
source		source		source	
ORIGIN		ORIGIN		ORIGIN	
RESULT 11		RESULT 11		RESULT 11	
LOCUS	B26686/C	LOCUS	B26686	LOCUS	B26686
DEFINITION	Improved method for measuring cytokine gene expression.	DEFINITION	Improved method for measuring cytokine gene expression.	DEFINITION	Improved method for measuring cytokine gene expression.
ACCESSION	E26686	ACCESSION	E26686	ACCESSION	E26686
VERSION	B26686.1	VERSION	B26686.1	VERSION	B26686.1
KEYWORDS	JP 1999155600-A/36.	KEYWORDS	JP 1999155600-A/36.	KEYWORDS	JP 1999155600-A/36.
SOURCE	unidentified	SOURCE	unidentified	SOURCE	unidentified
ORGANISM	unidentified	ORGANISM	unidentified	ORGANISM	unidentified
REFERENCE	Unclassified.	REFERENCE	Unclassified.	REFERENCE	Unclassified.
AUTHORS	1 (bases 1 to 22)	AUTHORS	1 (bases 1 to 22)	AUTHORS	1 (bases 1 to 22)
TITLE	Michio, S., Takechi, H., Masato, H. and Hideyuki, I.	TITLE	Michio, S., Takechi, H., Masato, H. and Hideyuki, I.	TITLE	Michio, S., Takechi, H., Masato, H. and Hideyuki, I.
JOURNAL	Improved method for measuring cytokine gene expression	JOURNAL	Improved method for measuring cytokine gene expression	JOURNAL	Improved method for measuring cytokine gene expression
COMMENT	Patent: JP 1999155600-A 36 15-JUN-1999;	COMMENT	Patent: JP 1999155600-A 36 15-JUN-1999;	COMMENT	Patent: JP 1999155600-A 36 15-JUN-1999;
OS	SHIBUDO CO LTD	OS	SHIBUDO CO LTD	OS	SHIBUDO CO LTD
PN	JP 1999155600-A/36	PN	JP 1999155600-A/36	PN	JP 1999155600-A/36
PD		PD		PD	
PF	28-NOV-1997	PF	28-NOV-1997	PF	28-NOV-1997
PR	JP 1997328171	PR	JP 1997328171	PR	JP 1997328171
PI	MICHIO SHIBATA, TAKESHI HARIYA, MASATO HATAO, HIDEYUKI ICHIKAWA	PI	MICHIO SHIBATA, TAKESHI HARIYA, MASATO HATAO, HIDEYUKI ICHIKAWA	PI	MICHIO SHIBATA, TAKESHI HARIYA, MASATO HATAO, HIDEYUKI ICHIKAWA
PC	C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC	PC	C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC	PC	C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC
C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC	C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC	C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC	C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC	C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC	C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC
CC	Strandedness: Single;	CC	Strandedness: Single;	CC	Strandedness: Single;
CC	Topology: Linear;	CC	Topology: Linear;	CC	Topology: Linear;
KEY	Location/Qualifiers	KEY	Location/Qualifiers	KEY	Location/Qualifiers
PT	source	PT	source	PT	source
PT	1. .22	PT	1. .22	PT	1. .22
FEATURES	Location/Qualifiers	FEATURES	Location/Qualifiers	FEATURES	Location/Qualifiers
source		source		source	
ORIGIN		ORIGIN		ORIGIN	
RESULT 12		RESULT 12		RESULT 12	
LOCUS	AX183809	LOCUS	AX183809	LOCUS	AX183809
DEFINITION	Sequence 1562 from Patent WO0142511.	DEFINITION	Sequence 1562 from Patent WO0142511.	DEFINITION	Sequence 1562 from Patent WO0142511.
ACCESSION	AX183809	ACCESSION	AX183809	ACCESSION	AX183809
VERSION	AX183809.1	VERSION	AX183809.1	VERSION	AX183809.1
KEYWORDS		KEYWORDS		KEYWORDS	
SOURCE		SOURCE		SOURCE	
ORGANISM		ORGANISM		ORGANISM	
REFERENCE	Query Match	REFERENCE	Query Match	REFERENCE	Query Match
AUTHORS	Best Local Similarity 73.3%; Pred. No. 1.9e+04; 3; Mismatches 1; Indels 0; Gaps 0;	AUTHORS	Best Local Similarity 73.3%; Pred. No. 1.9e+04; 3; Mismatches 1; Indels 0; Gaps 0;	AUTHORS	Best Local Similarity 73.3%; Pred. No. 1.9e+04; 3; Mismatches 1; Indels 0; Gaps 0;
TITLE	Wigler, M. and Litsky, N.	TITLE	Wigler, M. and Litsky, N.	TITLE	Wigler, M. and Litsky, N.
JOURNAL	Cancer detection probes	JOURNAL	Cancer detection probes	JOURNAL	Cancer detection probes
FEATURES	Patent: US 6350576-A 24 26-FEB-2002; Location/Qualifiers 1. .25 /organism="unknown" /mol_type="unassigned DNA"	FEATURES	Patent: US 6350576-A 24 26-FEB-2002; Location/Qualifiers 1. .25 /organism="unknown" /mol_type="unassigned DNA"	FEATURES	Patent: US 6350576-A 24 26-FEB-2002; Location/Qualifiers 1. .25 /organism="unknown" /mol_type="unassigned DNA"
SOURCE		SOURCE		SOURCE	
ORIGIN		ORIGIN		ORIGIN	

Query	Match	Score	DB	Length	Indels	Mismatches	Gaps
Query Match	61.0%; Score 12.8; DB 6; Length 21;	61.0%	DB 6	Length 21;	0	0	0
Best Local Similarity	62.5%; Pred. No. 4.2e+04;	62.5%	Pred. No. 4.2e+04;		0	0	0
Db							
19	GGACCTGCCAGGTCTT	20					
Db							
RESULT 12							
Qy	3 GGACCTGCCAGGTCTT	20					
LOCUS	AX292533						
DEFINITION	Sequence 4295 from Patent WO0179548.						
VERSION	AX292533.1						
KEYWORDS	synthetic construct						
SOURCE	synthetic construct						
ORGANISM	other sequences; artificial sequences.						
REFERENCE	Barany, F.; Zirvi, M.; Gerry, N.P.; Favis, R. and Kliman, R.						
AUTHORS	Method of designing addressable array for detection of nucleic acid						
TITLE	sequence differences using ligase detection reaction						
JOURNAL	Patent: WO 0179548-A 4295-10-2001;						
CORNELL RESEARCH FOUNDATION, INC. (US)							
FEATURES	Location/Qualifiers						
source	1. .24						
ORIGIN							
Query Match	62.9%; Score 13.2; DB 6; Length 24;						
Best Local Similarity	66.7%; Pred. No. 2.5e+04;						
Matches	3; Mismatches 3; Indels 0; Gaps 0;						
Qy	3 GGACCCGAGUGUCUT	20					
Db	7 GGACCTGGTAGTCCTG	24					
RESULT 13							
BD171375	BD171375						
LOCUS	BD171375						
DEFINITION	Method for detecting bronchial asthma risk factor.						
ACCESSION	BD171375						
VERSION	BD171375.1						
KEYWORDS	JP 200218997-A/10.						
SOURCE	synthetic construct						
ORGANISM	synthetic construct						
REFERENCE	other sequences; artificial sequences.						
AUTHORS	1 (bases 1 to 21)						
TITLE	Nakamura, Y. and Tamari, M.						
JOURNAL	Method for detecting bronchial asthma risk factor						
COMMENT							
FEATURES	Location/Qualifiers						
source	1. .21						
ORIGIN							
Query Match	61.0%; Score 12.8; DB 6; Length 21;						
Best Local Similarity	62.5%; Pred. No. 4.2e+04;						
Matches	10; Mismatches 4; Indels 0; Gaps 0;						
Qy	5 ACCUGCCAGUGUCUT	20					
Db	5 ACCUGCCAGUGUCUT	20					
RESULT 14							
Qy	5 ACCUGCCAGUGUCUT	20					
LOCUS	BD173609						
DEFINITION	Method of detecting bronchial asthma onset risk factor.						
ACCESSION	BD173609						
VERSION	BD173609.1						
KEYWORDS	WO 02059305-A/10.						
SOURCE	synthetic construct						
ORGANISM	synthetic construct						
REFERENCE	Other Sequences; artificial sequences.						
AUTHORS	1 (bases 1 to 21)						
TITLE	Nakamura, Y. and Tamari, M.						
JOURNAL	Method of detecting bronchial asthma onset risk factor						
COMMENT	Patent: WO 02059305-A 10-01-AUG-2002; OTSUKA PHARMACEUTICAL CO LTD, YUSUKE NAKAMURA, MAYUMI TAMARI						
FEATURES	Location/Qualifiers						
source	1. .21						
ORIGIN							
Query Match	61.0%; Score 12.8; DB 6; Length 21;						
Best Local Similarity	62.5%; Pred. No. 4.2e+04;						
Matches	10; Mismatches 4; Indels 0; Gaps 0;						
Qy	5 ACCUGCCAGUGUCUT	20					
Db	5 ACCUGCCAGUGUCUT	20					
RESULT 15							
Qy	5 ACCUGCCAGUGUCUT	20					
LOCUS	AX354409						
DEFINITION	Sequence 55 from Patent WO0196523.						
ACCESSION	AX354409						
VERSION	AX354409.1						
KEYWORDS	synthetic construct						
SOURCE	synthetic construct						
ORGANISM	other sequences; artificial sequences.						
REFERENCE	1						
AUTHORS	Kennedy, G.C., Kang, S., Reinhard, C. and Jefferson, A.B.						
TITLE	Polynucleotides related to colon cancer						
JOURNAL	Patent: WO 0196523-A 55-20-DEC-2001; CHIRON CORPORATION (US)						
FEATURES	Location/Qualifiers						
source	1. .21						
ORIGIN							
Query Match	61.0%; Score 12.8; DB 6; Length 22;						
Best Local Similarity	62.5%; Pred. No. 4.2e+04;						
Db							
5	ACCTGCCAGTGTCTT	20					

Fri Sep 30 14:33:41 2005

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Page 5

Best Local Similarity 62.5%; Pred. No. 4.2e+04; Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
QY 6 CCUGCCAGUGUCUUT 21
||: ||||: ||:||:
Db 19 ACTCCAGAGGCTTT 4

Search completed: September 30, 2005, 11:34:58
Job time : 1716 secs

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SQ	XX	Sequence 25 BB; 8 A; 5 C; 4 G; 8 T; 0 U; 0 Other;
Query Match	67.6%	Score 14.2; DB 9; Length 25;
Best Local Similarity	63.2%	Pred. No. 4.3e+03; Mismatches 3;
Matches	12;	Conservative 4; Mismatches 0; Gaps 0;
QY	3	GGACCCUGCCAGUGUCUCUTT 21
Db	24	GGAACTGAGCTGTTCTT 6
RESULT 3		
AD5115	XX	AD5115 standard; DNA; 28 BP.
AC	XX	AAD5115;
DT	02-APR-2003	(first entry)
XX	XX	Adapter DNA #10 used to illustrate the method of the invention.
KW	XX	Genetic analysis; allelic analysis; ss.
OS	XX	Unidentified.
PH	XX	Location/Qualifiers
FT	4	misc_feature
FT		/tag= ^a /note= "Represented as X2 in the specification"
XX	PN	WO200279496-A2.
XX	PD	10-OCT-2002.
XX	PR	27-MAR-2002; 2002WO-US0009928.
XX	PR	28-MAR-2001; 2001US-00821694.
PA	XX	(MTND-) APPLIED MINDS INC.
PI	XX	Hillis WD;
DR	XX	WPI; 2003-046825/04.
PS	XX	Obtaining information on target nucleic acid analyte, by hybridizing target with oligonucleotide probes complementary, or complementary except at position of interest to target and analyzing probe hybridization.
PT	XX	Example 1; Page 39; 6pp; English.
CC	XX	The invention relates to a method of obtaining information on a target nucleic acid analyte containing a target segment. The method involves hybridising target nucleic acid analyte with at least two oligonucleotide probes, where each probe comprises a sequence fully complementary, or complementary except at a position of interest or variable position, to the target nucleic acid analyte and analysing whether all, some or none of the probes hybridise. The method is useful for sequencing and for obtaining information on a number of target nucleic acid sequence segments, where information comprises the determination of a nucleotide at a position of interest. It is also useful for genetic or allelic analysis of genomic DNA or cDNA. The present sequence is an adapter DNA, used to illustrate the method of the invention.
CC	XX	Sequence 28 BP; 4 A; 7 C; 7 G; 6 T; 0 U; 4 Other;
CC	XX	Query Match 67.6%; Score 14.2; DB 10; Length 28; Best Local Similarity 61.9%; Pred. No. 4.4e+03; Mismatches 13; Conservative 4; Mismatches 0; Gaps 0;
SQ	1	UAGGACCCUGCCAGUGUCUCUTT 21

Db 4 KACGAGCTGCCAGTCCGCTT 24
 RESULT 4
 ADP45901
 ID ADP45901 standard; DNA; 30 BP.
 XX
 AC ADP45901;
 DT 26-AUG-2004 (first entry)
 XX
 DR PCR Primer 4 used to genotype human MAP kinase MAPK10 polymorphism.
 XX
 KW breast cancer; cytostatic; gene therapy; human; ss; primer; PCR; SNP;
 KW single nucleotide polymorphism; MAP kinase; MAPK10; JNK3; JNK3A; p493F12;
 KW p54BSAPK MAP kinase; c-Jun kinase 3; JNK3 alpha protein kinase;
 KW c-Jun N-terminal kinase 3; stress activated protein kinase beta;
 KW chromosome 4q22.1-q23.
 XX
 OS Homo sapiens.
 XX
 PN WO2004047623-A2.
 XX
 PD 10-JUN-2004.
 XX
 PF 25-NOV-2003; 2003WO-US037948.
 XX
 PR 25-NOV-2002; 2002US-0429136P.
 PR 24-JUL-2003; 2003US-0490234P.
 XX
 PA (SEQU-) SEQUENOM INC.
 XX
 PT Roth RB, Nelson MR, Braun A, Kammerer SM, Reneland R;
 DR XX
 DR WPI; 2004-441051/41.
 XX
 PT Identifying a subject at risk of breast cancer by detecting the presence
 PT of polymorphic variations in the ICAM, MAPK10, KIAA0861, NUMA1 or GALE
 PT regions which are associated with breast cancer in a nucleic acid sample
 PT from a subject.
 XX
 PS Example 5; Page 90; 28pp; English.

XX
 CC The invention relates to a novel method for identifying a subject at risk
 CC of breast cancer comprising detecting the presence or absence of one or
 CC more polymorphic variations associated with breast cancer in a nucleic
 CC acid sample from a subject. The method of the invention has cytostatic
 CC applications and may be useful for identifying a subject at risk of
 CC breast cancer, for early diagnosis, prevention and treatment of breast
 CC cancer, possibly via gene therapy, as well as to analyse and predict a
 CC response to a breast cancer treatment, and in clinical drug trials. The
 CC current sequence is that of a PCR primer of the invention which was used
 CC to genotype human MAP kinase MAPK10 (JNK3; JNK3A; p493F12; p54BSAPK MAP
 kinase; c-Jun kinase 3; JNK3 alpha protein kinase; c-Jun N-terminal kinase 3
 CC ; stress activated protein kinase beta) gDNA which has been mapped to
 CC chromosomal position 4q22.1-q23.
 XX
 SQ Sequence 30 BP; 7 A; 6 C; 9 G; 8 T; 0 U; 0 Other;

Query Match 65.7%; Score 13.8; DB 12; Length 22;
 Best Local Similarity 64.7%; Pred. No. 6 7e+03;
 Matches 11; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
 Oy 1 UAGGACCTGGCCAGAGGU 17
 Db 4 TAGGATCTTCAGCT 20

RESULT 5
 ADK94115
 ID ADK94115 standard; DNA; 22 BP.
 XX
 AC ADK94115;

Query Match 67.6%; Score 14.2; DB 12; Length 30;
 Best Local Similarity 57.9%; Pred. No. 4.4e+03;
 Matches 11; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
 Oy 1 UAGGACCTGGCCAGAGCTU 19
 Db 4 TTAGATCTTCAGCT 22

RESULT 5
 ADK94115
 ID ADK94115 standard; DNA; 22 BP.
 XX
 AC ADK94115;

XX 06-MAY-2004 (first entry)
 DT XX
 DE Primer of the invention #135.
 XX
 KW human; single nucleotide polymorphism; SNP; ss; primer.
 KW synthetic.
 OS Synthetic.
 PN JP2003259875-A.
 XX
 DR 16-SEP-2003.
 XX
 PF 08-MAR-2002; 2002JP-00064373.
 XX
 PR 08-MAR-2002; 2002JP-00064373.
 XX
 PA (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN.
 XX
 DR WPI; 2004-093977/10.
 XX
 PT Novel polynucleotide useful for PCR amplification along with two DNA
 PT fragment from another set of sequences, or for detecting single
 nucleotide polymorphism in human gene.
 XX
 PS Claim 2; SEQ ID NO 3444; 2627pp; Japanese.
 XX
 CC The present invention relates to a polynucleotide isolated from a human
 CC gene and is useful for detecting a single nucleotide polymorphism in a
 CC human gene or for diagnosing of disease. The invention enables the
 CC detection of a single nucleotide polymorphism in a human gene. The
 CC present sequence represents a primer of the invention.
 XX
 Sequence 22 BP; 3 A; 7 C; 5 G; 7 T; 0 U; 0 Other;
 Query Match 65.7%; Score 13.8; DB 12; Length 22;
 Best Local Similarity 64.7%; Pred. No. 6 7e+03;
 Matches 11; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
 Oy 1 UAGGACCTGGCCAGAGGU 17
 Db 4 TAGGATCTTCAGCT 20

RESULT 6
 ADP02074/c
 ID ADP02074 standard; DNA; 23 BP.
 XX
 AC ADP02074;
 XX
 DT 26-MAR-2001 (first entry)
 XX
 DR 3' PCR primer for preparing N-myc fusion construct.
 XX
 KW Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;
 KW TNF-receptor associated factor; TRAF2 truncated; TRAF2TR; TRAF2TD;
 KW TRAF2 truncated; deleted; antiinflammatory; cardiot; Myc tag; vasoactive;
 KW antiinflammatory; antirheumatic; antiarthritic; antidiabetic;
 KW antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;
 KW rheumatoid arthritis; graft versus host disease; cardiovascular disease;
 KW non-insulin dependent diabetes; inflammatory bowel disease; stroke;
 KW neurodegenerative disease; congestive heart failure; PCR primer;
 KW myocardial infarction; nuclear factor kappa B; NFKB; ss.
 OS Homo sapiens.
 OS Synthetic.
 XX
 PN WO200066737-A1.
 XX
 PR 09-NOV-2000.
 XX
 PR 06-APR-2000; 2000WO-US009178.

XX
PA (AFFY-) AFFYMETRIX INC.XX
PT Mittmann MP;XX
DR WPI; 2003-567953/53.XX
PT New array of nucleic acid probes, useful for in situ hybridization, in
PT Southern, Northern or dot-blot hybridization to identify or detect the
PT sequence or specific mutations of any gene.XX
PS Claim 1; SEQ ID NO 58161; 9pp; English.

The invention discloses a microarray comprising a plurality of nucleic acid probes including one of 2,018,500 fully defined sequences, or its perfect match, perfect mismatch, antisense match or antisense mismatch. Also disclosed is a method of gene expression analysis. The array is used in monitoring gene expression levels by hybridisation to a DNA library, in analysis of genetic variation or in hybridisation of tag-labelled compounds. The nucleic acid probes are specifically designed for analysis of at least one target sequence. The method of analysis comprises hybridising at least one or more nucleic acids to at least two or more nucleic acid probes and detecting the hybridisation. The nucleic acid probes are attached to a solid support. The analysis comprises monitoring gene expression levels, identifying biallelic markers or polymorphisms, or family members of a gene and a cross-species comparison. Each of the nucleic acids further comprises a tag sequence. The array of nucleic acid probes is useful in in situ hybridisation, in Southern, Northern or dot-blot hybridisation to identify or detect the sequence or specific mutations of any gene, in mapping the 5' termini of mRNA molecules by primer extensions or in screening cDNA or genomic libraries or subclones for additional subclones containing segments of DNA that have been isolated and previously sequenced. The sequence presented is one of the nucleic acid probes incorporated in the microarray. Note: The sequence data for this patent can also be obtained in electronic format directly from USPTO at seqdata.uspto.gov/sequence.html

XX
SQ Sequence 25 BP; 8 A; 6 C; 6 G; 5 T; 0 U; 0 Other;

Query Match 65.7%; Score 13.8; DB 9; Length 25;
Best Local Similarity 70.6%; Pred. No. 6.8e+03;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 5 ACCUGGCCAGUGCUCUTT 21
|||:|||:|||:|||:|||:|||:
Db 25 ACCAGGCCAGTGTCTT 9

XX
RESULT 9ID ADC47044
ID ADC47044 standard; DNA; 29 BP.XX
AC ADC47044;XX
DT 18-DEC-2003 (first entry)XX
DB BBC1 potassium channel inhibitor related primer #SEQ ID 6.XX
DE BBC1 potassium channel inhibitor related primer #SEQ ID 6.XX
KW BBC1 potassium channel inhibitor; nootropic; neuroprotective; brain-specific eeg-like channel 1; dementia; learning disability; inhibitor; PCR; primer; ss.XX
OS Synthetic.
XX
PS WO2003041496-A1.XX
PT 14-AUG-2003.XX
PT 03-FEB-2003; 2003WO-JP001065.XX
PT 05-FEB-2002; 2002JP-00028844.XX
PA (YAMA) YAMANOUCHI PHARM CO LTD.XX
PT Kubota H, Suzuki T, Miura M, Nakai E, Yahiro K, Miyake A;XX
PT Mochizuki S, Nakatou K;XX
DR WPI; 2003-697419/56.XX
PT Antidementia agents comprise new and known brain-specific eag-like channel 1 (BBC1) potassium channel inhibitors.XX
PS Disclosure; Page 90; 95pp; Japanese.

The invention relates to an antidementia agent that comprises a brain-specific eag-like channel 1 (BBC1) potassium channel inhibitor. Agents of the invention are used as BBC1 potassium channel inhibitors for treating and preventing dementia and learning disabilities. The current sequence represents the BBC1 potassium channel inhibitor related PCR primer sequence.

XX
SQ Sequence 29 BP; 3 A; 11 C; 9 G; 6 T; 0 U; 0 Other;

Query Match 65.7%; Score 13.8; DB 10; Length 29;
Best Local Similarity 70.6%; Pred. No. 6.9e+03;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 4 GACCUGGCCAGUGCUCUT 20
|||:|||:|||:|||:|||:
Db 8 GACCTGccGcgTCTCT 24

XX
RESULT 10ID ADI35763
ID ADI35763 standard; DNA; 29 BP.XX
AC ADI35763;XX
DT 22-APR-2004 (first entry)XX
DB Human potassium channel protein BBC1 related PCR primer SEQ ID NO:6.XX
KW transgenic animal; potassium channel; BBC1; nootropic; tranquiliser; dementia; memory loss; anxiety; learning ability; human; PCR; ss; primer.XX
OS Homo sapiens.XX
OS Synthetic.XX
PN WO2003041496-A1.XX
PD 22-MAY-2003.XX
PF 13-NOV-2002; 2002WO-JP011943.XX
PR 14-NOV-2001; 2001JP-00349288.XX
PA (YAMA) YAMANOUCHI PHARM CO LTD.XX
PT Miyake A, Nakamura Y, Ni J, Mochizuki S;XX
DR WPI; 2003-457459/43.XX
PT Transgenic animal overexpressing potassium channel protein BBC1 for screening potential treatments for dementia and anxiety.XX
PS Example 1; SEQ ID NO 6; 5pp; Japanese.

The present invention describes a transgenic animal transformed by a promoter together with a polynucleotide encoding potassium channel protein BBC1 or encoding a protein derived from BBC1 by addition, deletion and/or substitution of up to ten amino acid residues and at least 90% homologous to it. Also described: (1) screening (M1) for substances for the treatment of dementia, memory loss and anxiety (using the transgenic animal as a disease model; and (2) the preparation (M2) of drug compositions containing as active components substances identified by (M1). BBC1 has nootropic and tranquilliser activities. The transgenic

CC animal is useful as a disease model for in vivo screening of substances
 CC for the treatment and prevention of dementia, memory loss, and anxiety
 CC and for improving memory and learning ability. The present sequence
 CC represents a PCR primer for the human potassium channel protein BKCI,
 CC which is used in an example from the present invention.

SQ Sequence 29 BP; 3 A; 11 C; 9 G; 6 T; 0 U; 0 Other;

Query Match 65.7%; Score 13.8; DB 10; Length 29;
 Best Local Similarity 70.6%; Pred. No. 6.9e+03; Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GACCUCCAGAGUCUT 20
 Db 8 GACCTGCCGTCCT 24

RESULT 11
 ABK67185/C
 ID ABK67185 standard; DNA; 26 BP.
 XX
 AC ABK67185;
 XX
 DT 02-JUL-2002 (first entry)
 DE Human gene specific PCR primer #1273.
 XX
 KW Primer; ss; DNA microarray; differential expression analysis; human.
 XX
 OS Homo sapiens.
 XX
 PN US6352829-B1.
 XX
 PD 05-MAR-2002.
 XX
 PR 05-JAN-1999; 99US-00225928.
 XX
 PR 21-MAY-1997; 97US-00859998.
 XX
 PA (CLON-) CLONTECH LAB INC.
 XX
 PI Chenchik A, Jokhadze G, Bibilashvili R;
 XX
 DR WPI; 2002-314699/35.

PT Producing sub-population of labeled nucleic acids, useful for analyzing
 PT PT differences in RNA profiles between several different physiological
 PT sources, using set of distinct gene specific primers.

XX
 PS Example 3; SEQ ID NO 1273; 11pp; English.

CC The invention relates to producing a sub-population of labeled nucleic
 CC acids (NAS) comprising contacting a NA sample from a physiological
 CC source, with a pool of 50 distinct gene specific primers under suitable
 CC conditions to enzymatically generate sub-population of NAS, where each
 CC gene specific primer has a sequence complementary to a distinct mRNA, and
 CC each labeled NA is generated using a single gene specific primer. The
 CC method is useful for producing a sub-population of labeled NAS which is
 CC useful for analysing the differences in the RNA profiles between several
 CC different physiological sources, where the method comprises producing
 CC a subpopulation of labeled NAS for the different physiological sources,
 CC comprising the populations for each physiological source to identify
 CC differences in the population, where the comparison is preferably
 CC performed by hybridising the labeled NAS for each of the distinct
 CC physiological sources to an array of probe NAS stably associated with the
 CC surface of a substrate to produce a hybridisation pattern for each of the
 CC sources, and comparing the patterns for each of the sources, where
 CC the differential gene expression assays are utilised in differential
 CC expression analysis of diseased a normal tissue e.g. neoplastic a normal
 CC tissue, or different tissue or sub-tissue types. The present sequence is a
 CC human gene specific PCR primer used in the method of the invention. Note:
 CC the sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from USPTO
 CC at <http://wipo.sqdata.uspto.gov/sequence.html?DocID=6352829B1>
 CC Sequence 26 BP; 11 A; 7 C; 7 G; 1 T; 0 U; 0 Other;

RESULT 12
 ABK67338/C
 ID ABK67338 standard; DNA; 26 BP.
 XX
 AC ABK67338;
 XX
 DT 02-JUL-2002 (first entry)
 DE Human gene specific PCR primer #1326.
 XX
 KW Primer; ss; DNA microarray; differential expression analysis; human.
 XX
 OS Homo sapiens.
 XX
 PN US6352829-B1.
 XX
 PD 05-MAR-2002.
 XX
 PR 05-JAN-1999; 99US-00225928.
 XX
 PR 21-MAY-1997; 97US-00859998.
 XX
 PA (CLON-) CLONTECH LAB INC.
 XX
 PI Chenchik A, Jokhadze G, Bibilashvili R;
 XX
 DR WPI; 2002-314699/35.

PT Producing sub-population of labeled nucleic acids, useful for analyzing
 PT PT differences in RNA profiles between several different physiological
 PT sources, using set of distinct gene specific primers.

XX
 PS Example 3; SEQ ID NO 1326; 11pp; English.

CC The invention relates to producing a sub-population of labeled nucleic
 CC acids (NAS) comprising contacting a NA sample from a physiological
 CC source, with a pool of 50 distinct gene specific primers under suitable
 CC conditions to enzymatically generate sub-population of NAS, where each
 CC gene specific primer has a sequence complementary to a distinct mRNA, and
 CC each labeled NA is generated using a single gene specific primer. The
 CC method is useful for producing a sub-population of labeled NAS which is
 CC useful for analysing the differences in the RNA profiles between several
 CC different physiological sources, where the method comprises producing
 CC a subpopulation of labeled NAS for the different physiological sources,
 CC comprising the populations for each physiological source to identify
 CC differences in the population, where the comparison is preferably
 CC performed by hybridising the labeled NAS for each of the distinct
 CC physiological sources to an array or probe NAS stably associated with the
 CC surface of a substrate to produce a hybridisation pattern for each of the
 CC sources, and comparing the patterns for each of the sources, where
 CC the differential gene expression assays are utilised in differential
 CC expression analysis of diseased a normal tissue e.g. neoplastic a normal
 CC tissue, or different tissue or sub-tissue types. The present sequence is a
 CC human gene specific PCR primer used in the method of the invention. Note:
 CC the sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from USPTO
 CC at <http://wipo.sqdata.uspto.gov/sequence.html?DocID=6352829B1>
 CC Sequence 26 BP; 5 A; 9 C; 5 G; 7 T; 0 U; 0 Other;

Query Match	64.8%	Score 13.6;	DB 6;	Length 26;	XX	RESULT 14
Best Local Similarity	65.0%	Pred. No. 8.5e+03;	ID AAT3267	Matches 13;	Indels 0;	Matches 13; Standard; DNA; 25 BP.
Matches	13;	Conservative 3;	ID AAT3267	Mismatches 4;	Gaps 0;	Indels 0; Gaps 0;
Qy	2	AGGACCTTCAGTCCTACTT	Db	4	: :	21
						23
RESULT 13						
ID	AAD51147	standard; DNA; 28 BP.	XX	DT 07-JAN-1997	(first entry)	XX
AC	AAD51147;		XX	DE	Probe for the detection of lesions associated with neoplastic cells.	XX
XX			XX	KW	Probe; detection; lesion; neoplasia; neoplastic cells; cancer; prognosis;	XX
XX			XX	KW	therapy; tumour cell; tumour; homozygous loss; ss.	XX
XX			XX	OS	Synthetic.	XX
XX			XX	PN	W05619589-A1.	XX
XX			XX	PD	27-JUN-1996.	XX
XX			XX	PP	20-DEC-1995; 95WO-US016766.	XX
XX			XX	PR	20-DEC-1994; 94US-00360956.	XX
OS	Unidentified.		XX	PA	(COLD-) COLD SPRING HARBOR LAB.	XX
XX			XX	PT	Wigler M, Lisitsyn N;	XX
XX			XX	DR	XX	XX
XX			XX	PT	Nucleic acid sequence probes - are used for the detection of lesions	XX
XX			XX	PT	associated with neoplastic cells.	XX
XX			XX	PS	Claim 1; Page 23; 31PP; English.	XX
XX			XX	CC	The nucleic acid sequence probes described in AAT3244-78 are used for	XX
XX			XX	CC	the detection of lesions associated with neoplastic cells. The sequences	XX
XX			XX	CC	can be used for identifying the locus associated with the lesion, for	XX
XX			XX	CC	determining cancer susceptibility of cells, as well as categorising and	XX
XX			XX	CC	characterising tumour cells for prognosis and therapy. Two probes	XX
XX			XX	CC	(AAT3267, AAT3268) were used to detect homozygous loss in tumour cell	XX
XX			XX	CC	lines at chromosome location 18	XX
XX			XX	DR	XX	XX
XX			XX	PT	Sequence 25 BP; 5 A; 5 C; 8 G; 7 T; 0 U; 0 Other;	XX
XX			XX	PT	Query Match 63.8%; Score 13.4; DB 2; Length 25;	XX
XX			XX	PT	Best Local Similarity 73.3%; Pred. No. 1.1e+04;	XX
XX			XX	PT	Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;	XX
PS	Example 1; Page 39; 6PP; English.		XX	Qy	1 UAGGACCTTCAGTCCTACTT	XX
XX			XX	Db	3 TAGGAACTGCACTG	XX
CC	The invention relates to a method of obtaining information on a target		XX	RESULT 15		XX
CC	nucleic acid analyte containing a target segment. The method involves		XX	ID AAT71677		XX
CC	hybridizing target nucleic acid analyte with at least two oligonucleotide		XX	ID AAT71677	standard; DNA; 25 BP.	XX
CC	probes, where each probe comprises a sequence fully complementary, or		XX	AC AAT71677;		XX
CC	complementary except at a position of interest or variable position, to		XX	DT 04-FEB-1998	(first entry)	XX
CC	the target nucleic acid analyte and analysing whether all, some or none		XX	DE	Cancer detection probe VAK0441-9 PCR 5' primer.	XX
CC	of the probes hybridise. The method is useful for sequencing and for		XX	KW	PCR primer; VAK0441-9; detection; neoplastic; lesion; tumour; RDA;	XX
CC	obtaining information on a number of target nucleic acid sequence		XX	KW	homozygous loss; representational difference analysis; Probe; ss.	XX
CC	segments, where information comprises the determination of a nucleotide		XX	OS	Synthetic.	XX
CC	at a position of interest. It is also useful for genetic or allelic		XX	OS	Homo sapiens.	XX
CC	analysis of genomic DNA or cDNA. The present sequence is an adapter DNA,		XX	PN	W09722721-A2.	XX
CC	used to illustrate the method of the invention		XX	PD	26-JUN-1997.	XX
SQ	Sequence 28 BP; 4 A; 7 C; 8 G; 6 T; 0 U; 3 Other;					
Query Match	64.8%	Score 13.6;	DB 10;	Length 28;		
Best Local Similarity	65.0%	Pred. No. 8.6e+03;				
Matches	13;	Conservative 3;				
Qy	2	AGGACCTTCAGTCCTACTT	Db	5	: :	21
						24

PP 20-DEC-1996; 96WO-US020631.
 XX
 PR 21-DEC-1995; 95US-00576202.
 XX
 PA (COLD-) COLD SPRING HARBOR LAB.
 XX
 PI Wigler M, Lisitsyn N;
 XX
 DR WPI; 1997-341709/31.

PT New cancer detection probes - useful for detecting genomic lesions
 PT associated with neoplasia in human cells, e.g. for detection, prognostic
 PT and therapy of cancer.

XX Claim 10; Page 23; 32pp; English.

XX This Primer is used to amplify a PCR product of 244 bp used as a probe in
 CC a standard PCR panel for determination of a lesion associated with
 CC neoplasia in human cells. In particular, this probe identifies a
 CC homozygous loss in tumor cell line at chromosome location 18. The DNA
 CC can be obtained by standard representational difference analysis (RDA).
 CC RDA was performed using Bgl II restriction endonuclease on tumour DNA of the
 CC (driver) and matched with normal DNA (tester). Pure tumour DNA of the
 CC RDA difference products were cloned into plasmids. Selected plasmid
 CC inserts were analysed by Southern blot hybridisation. Oligonucleotides
 CC synthesised from selected plasmid insert sequences were used to screen a
 CC standard PCR panel of DNAs from tumour cell lines and a control DNA.
 CC Probes were subsequently mapped to human chromosomes by PCR using an
 CC existing panel of human, rodent somatic cell hybrids. The DNA can be used
 CC for detecting genomic lesions associated with cancer and for prognosis
 CC and therapy. The DNA sequences can also be used to obtain other suitable
 CC probes by walking genomic DNA to obtain a as secondary probe, and repeating
 CC the walking to obtain successive probes which are screened with normal
 CC and tumour cells

XX Sequence 25 BP; 5 A; 5 C; 8 G; 7 T; 0 U; 0 other;

Query Match 63.8%; Score 13.4; DB 2; Length 25;
 Best Local Similarity 73.3%; Pred. No. 1.1e+04;
 Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 QY 1 UGGACCCUGCCAGUG 15
 Db 2 :|||||:|||||:|||:
 3 TAGGAAGTGCAGTG 17

Search completed: September 30, 2005, 09:14:08
 Job time : 421 secs


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; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
; US-09-396-196G-40269

Query Match 70.5%; Score 14.8; DB 4; Length 25;
Best Local Similarity 66.7%; Pred. No. 5.9e+02; Mismatches 2; Indels 0; Gaps 0;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

RESULT 3
US-09-396-196G-55195
; Sequence 55195, Application US/09396196G
; Patent No. 6821724

; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.

; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIORITY FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48277
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
; US-09-396-196G-48277

Query Match 70.5%; Score 14.8; DB 4; Length 25;
Best Local Similarity 66.7%; Pred. No. 5.9e+02; Mismatches 2; Indels 0; Gaps 0;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GACUGGCCAGUCUCUTT 21
Db 7 GAGCTGCCTGCTCTTT 24

RESULT 4
US-09-396-196G-55196
; Sequence 55196, Application US/09396196G
; Patent No. 6821724

; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.

; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIORITY FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 107546
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
; US-09-396-196G-107546

Query Match 68.6%; Score 14.4; DB 4; Length 25;
Best Local Similarity 68.8%; Pred. No. 9.2e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 11; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 5 ACCUGGCCAGUCUCUT 20
Db 2 AACTGCCAGTGCTCTT 17

RESULT 5
US-09-396-196G-48277
; Sequence 48277, Application US/09396196G
; Patent No. 6821724

; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.

; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIORITY FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 48277
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
; US-09-396-196G-48277

Query Match 68.6%; Score 14.4; DB 4; Length 25;
Best Local Similarity 68.8%; Pred. No. 9.2e+02; Mismatches 1; Indels 0; Gaps 0;
Matches 11; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 5 ACCUGGCCAGUCUCUT 20
Db 1 AGCTGCCAGTGCTCTT 16

RESULT 7
US-09-396-196G-48278
; Sequence 48278, Application US/09396196G
; Patent No. 6821724

Query Match 70.5%; Score 14.8; DB 4; Length 25;
Best Local Similarity 66.7%; Pred. No. 5.9e+02; Mismatches 2; Indels 0; Gaps 0;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 5 ACCUGGCCAGUCUCUT 20
Db 1 AGCTGCCAGTGCTCTT 16

```

GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis in
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-01-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 48278
LENGTH: 25
TYPE: DNA
ORGANISM: mus musculus
US-09-396-196G-52122
Query Match 66.7% Score 14; DB 4; Length 25;
Best Local Similarity 71.4%; Pct. No. 1.4e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
SEQ ID NO: 48278
LENGTH: 25
TYPE: DNA
ORGANISM: mus musculus
US-09-396-196G-48278

APPLICATION NUMBER: 08/859,998
 FILING DATE: 21-MAY-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Field, Bret E.
 REGISTRATION NUMBER: 37,620
 REFERENCE/DOCKET NUMBER: 09096/002001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-322-5070
 TELEFAX: 415-854-0875
 INFORMATION FOR SEQ ID NO: 1326:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 26 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE: OTHER INFORMATION: oligonucleotide primer
 SEQUENCE DESCRIPTION: SEQ ID NO: 1326:
 US-09-225-928-1326
 Query Match 64.8%; Score 13.6; DB 3; Length 26;
 Best Local Similarity 65.0%; Pred. No. 2.3e+03;
 Matches 13; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
 Qy 2 AGGACCUCCAGUCUCC 21
 |||||: ||||: ||| 23
 Db 4 AGGACCTTCCAGTCTACTT 23
 RESULT 14
 US-09-225-201B-1273/C
 Sequence 1273, Application US/09225201B
 Patent No. 6489455
 GENERAL INFORMATION:
 APPLICANT: Chenchik, Alex
 Jokhadze, George
 Bibilashvili, Robert
 TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
 NUMBER OF SEQUENCES: 1375
 EXPRESSION
 NUMBER OF SEQUENCES: 1375
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson, P.C.
 STREET: 2200 Sand Hill Road, Suite 100
 CITY: Menlo Park
 STATE: CA
 COUNTRY: US
 ZIP: 94025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows95
 SOFTWARE: PstSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/225,201B
 FILING DATE: 05-Jan-1999
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/859,998
 FILING DATE: 21-MAY-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Field, Bret E.
 REGISTRATION NUMBER: 37,620
 REFERENCE/DOCKET NUMBER: 09096/002001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-322-5070
 TELEFAX: 415-854-0875
 INFORMATION FOR SEQ ID NO: 1326:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 26 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE: OTHER INFORMATION: oligonucleotide primer
 SEQUENCE DESCRIPTION: SEQ ID NO: 1326:
 US-09-225-201B-1273
 Query Match 64.8%; Score 13.6; DB 4; Length 26;
 Best Local Similarity 65.0%; Pred. No. 2.3e+03;
 Matches 13; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
 Qy 1 UAGGACCUCCAGUCUCC 20
 |||||: ||||: ||| 23
 Db 20 TTGGCTTGGCCGGTCTT 1
 RESULT 15
 US-09-225-201B-1326
 Sequence 1326, Application US/09225201B
 Patent No. 6489455
 GENERAL INFORMATION:
 APPLICANT: Chenchik, Alex
 Jokhadze, George
 Bibilashvili, Robert
 TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
 NUMBER OF SEQUENCES: 1375
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson, P.C.
 STREET: 2200 Sand Hill Road, Suite 100
 CITY: Menlo Park
 STATE: CA
 COUNTRY: US
 ZIP: 94025
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows95
 SOFTWARE: PstSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/225,201B
 FILING DATE: 05-Jan-1999
 CLASSIFICATION: <Unknown>
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/859,998
 FILING DATE: 21-MAY-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Field, Bret E.
 REGISTRATION NUMBER: 37,620
 REFERENCE/DOCKET NUMBER: 09096/002001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-322-5070
 TELEFAX: 415-854-0875
 INFORMATION FOR SEQ ID NO: 1326:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 26 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 FEATURE: OTHER INFORMATION: oligonucleotide primer
 SEQUENCE DESCRIPTION: SEQ ID NO: 1326:
 US-09-225-201B-1326

Fri Sep 30 14:33:41 2005

us-10-738-413-1.sz21-30.rni

page 6

Search completed: September 30, 2005, 11:06:11
Job time : 124 secB

FILE REFERENCE: 3101_1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIORITY APPLICATION NUMBER: US/09/336,196
; PRIORITY FILING DATE: 1999-09-15
; PRIORITY APPLICATION NUMBER: 60/100,678
; PRIORITY FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 55196
; LENGTH: 25
; TYPE: DNA
; ORGANISM: *mus musculus*
; US-10-809-189-55196
; Query Match 70.5%; Score 14.8; DB 21; Length 25;
; Best Local Similarity 66.7%; Pred. No. 1.5e+03; 4; Mismatches
; Matches 12; Conservative 4; Indels 0; Gaps 0;
; Qy 4 GACCUGGCCAGUGUCU 21
; Db 1 GACCTGCGTGTGCCTT 18
; RESULT 7
; US-10-956-157-154607
; Sequence 154607, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: weth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 03189-043000 (AM 101081)
; CURRENT APPLICATION NUMBER: US/10/956,157
; CURRENT FILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 154607
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Probe Sequence
; US-10-956-157-154607
; Query Match 70.5%; Score 14.8; DB 21; Length 25;
; Best Local Similarity 66.7%; Pred. No. 1.5e+03; 4; Mismatches
; Matches 12; Conservative 4; Indels 0; Gaps 0;
; Qy 2 AGGACCUCCAGUCU 19
; Db 4 AGGATCTGACAGTCT 21
; RESULT 8
; US-10-719-956-56046
; Sequence 56046, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527_1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIORITY APPLICATION NUMBER: 60/422,7836
; PRIORITY FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 639466
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 56047
; LENGTH: 25
; TYPE: DNA
; ORGANISM: *Rattus norvegicus*
; US-10-719-956-56047
; Query Match 70.5%; Score 14.8; DB 22; Length 25;
; Best Local Similarity 66.7%; Pred. No. 1.5e+03; 2; Indels 0; Gaps 0;
; Matches 12; Conservative 4; Mismatches
; Qy 1 UAGGACUCGCCAGUCU 18
; Db 1 TAGGACCTGACATGTC 18
; RESULT 9
; US-10-719-956-56047
; Sequence 56047, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527_1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIORITY APPLICATION NUMBER: 60/422,7836
; PRIORITY FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 639466
; SOFTWARE: Microarray Probe Sequence Listing Generator v 1.1
; SEQ ID NO 56047
; LENGTH: 25
; TYPE: DNA
; ORGANISM: *Rattus norvegicus*
; US-10-719-956-56047
; Query Match 70.5%; Score 14.8; DB 22; Length 25;
; Best Local Similarity 66.7%; Pred. No. 1.5e+03; 2; Indels 0; Gaps 0;
; Matches 12; Conservative 4; Mismatches
; Qy 1 TAGGACCTGACATGTC 18
; Db 1 TAGGACCTGACATGTC 18
; RESULT 10
; US-10-047-089-5
; Sequence 5, Application US/10407089
; Publication No. US20030224410A1
; GENERAL INFORMATION:
; APPLICANT: Corcoran, Kevin C.
; APPLICANT: Corcoran, Kevin C.
; APPLICANT: Eletr, Sam
; TITLE OF INVENTION: System for Determining a Signature of a
; TITLE OF INVENTION: System for Determining a Signature of a
; FILE REFERENCE: 53525-8040-1500
; CURRENT APPLICATION NUMBER: US/10/407,089
; CURRENT FILING DATE: 2003-04-02
; PRIORITY APPLICATION NUMBER: US/09/654,187
; PRIORITY FILING DATE: 2000-09-01
; PRIORITY APPLICATION NUMBER: US 60/182,454
; PRIORITY FILING DATE: 2000-02-15
; PRIORITY APPLICATION NUMBER: PCT/US98/11224
; PRIORITY FILING DATE: 1998-05-22
; PRIORITY APPLICATION NUMBER: US 08/862,610
; PRIORITY FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 28
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: encoded adaptor
; FEATURE:
; OTHER INFORMATION: misc_feature
; NAME/KEY: misc_feature
; LOCATION: (1)..(28)
; OTHER INFORMATION: n = A,T,C or G
; US-10-407-089-5
; Query Match 69.5%; Score 14.6; DB 17; Length 28;

Best Local Similarity 61.9%; Pred. No. 1.9e+03; Mismatches 4; Indels 0; Gaps 0;
 Matches 13; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
 Qy 1 UGGACCCUGCCAGUGCUCU 21
 Db 4 TACGAGGTGCCAGTCGCTT 24

RESULT 11
 US-10-719-900-355242
 ; Sequence 355242, Application US/10719900
 ; Publication No. US20050026164A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xue Mei Zhou
 ; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
 ; FILE REFERENCE: 3528.1
 ; CURRENT APPLICATION NUMBER: US/10/719,900
 ; CURRENT FILING DATE: 2003-11-20
 ; PRIORITY APPLICATION NUMBER: 60/427,808
 ; PRIORITY FILING DATE: 2002-11-20
 ; NUMBER OF SEQ ID NOS: 982914
 ; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 ; SEQ ID NO 355242
 ; LENGTH: 25
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 US-10-719-900-355242

Query Match 68.6%; Score 14.4; DB 21; Length 25;
 Best Local Similarity 68.8%; Pred. No. 2.4e+03; Mismatches 1; Indels 0; Gaps 0;
 Matches 11; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
 Qy 6 CGUGCCAGUGUCU 21
 Db 1 CCTGCCAGTCCTTT 16

RESULT 12
 US-10-719-900-726466/c
 ; Sequence 726466, Application US/10719900
 ; Publication No. US20050026164A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xue Mei Zhou
 ; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
 ; FILE REFERENCE: 3528.1
 ; CURRENT APPLICATION NUMBER: US/10/719,900
 ; CURRENT FILING DATE: 2003-11-20
 ; PRIORITY APPLICATION NUMBER: 60/427,808
 ; PRIORITY FILING DATE: 2002-11-20
 ; NUMBER OF SEQ ID NOS: 982914
 ; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 ; SEQ ID NO 961525
 ; LENGTH: 25
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 US-10-719-900-961525

Query Match 68.6%; Score 14.4; DB 21; Length 25;
 Best Local Similarity 75.0%; Pred. No. 2.4e+03; Mismatches 1; Indels 0; Gaps 0;
 Matches 12; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy 2 AGGACCCUGCCAGUGU 17
 Db 8 AGGAGCAGGCCAGTGCT 23

RESULT 13
 US-10-719-900-726466
 ; Sequence 726466, Application US/10719900
 ; Publication No. US20050026164A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Michael Mittmann
 ; APPLICANT: David Mack
 ; APPLICANT: David Lochart
 ; APPLICANT: Affymetrix, Inc.
 ; TITLE OF INVENTION: Methods of Genetic Analysis
 ; FILE REFERENCE: 3101-1
 ; CURRENT APPLICATION NUMBER: US/10/809,189
 ; CURRENT FILING DATE: 2004-03-25
 ; PRIORITY APPLICATION NUMBER: US/09/396,196
 ; PRIORITY FILING DATE: 1999-09-15
 ; PRIORITY APPLICATION NUMBER: 60/100,678
 ; PRIORITY FILING DATE: 1998-09-17
 ; NUMBER OF SEQ ID NOS: 127806
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 48277
 ; LENGTH: 25
 ; TYPE: DNA

RESULT 14
 US-10-719-900-961525
 ; Sequence 961525, Application US/10719900
 ; Publication No. US20050026164A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xue Mei Zhou
 ; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
 ; FILE REFERENCE: 3528.1
 ; CURRENT APPLICATION NUMBER: US/10/719,900
 ; CURRENT FILING DATE: 2003-11-20
 ; PRIORITY APPLICATION NUMBER: 60/427,808
 ; PRIORITY FILING DATE: 2002-11-20
 ; NUMBER OF SEQ ID NOS: 982914
 ; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 ; SEQ ID NO 961525
 ; LENGTH: 25
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 US-10-719-900-961525

Query Match 68.6%; Score 14.4; DB 21; Length 25;
 Best Local Similarity 75.0%; Pred. No. 2.4e+03; Mismatches 1; Indels 0; Gaps 0;
 Matches 12; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy 2 AGGACCCUGCCAGUGU 17
 Db 8 AGGAGCAGGCCAGTGCT 23

RESULT 15
 US-10-809-189-48277
 ; Sequence 48277, Application US/10809189
 ; Publication No. US2005004831A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Michael Mittmann
 ; APPLICANT: David Mack
 ; APPLICANT: David Lochart
 ; APPLICANT: Affymetrix, Inc.
 ; TITLE OF INVENTION: Methods of Genetic Analysis
 ; FILE REFERENCE: 3101-1
 ; CURRENT APPLICATION NUMBER: US/10/809,189
 ; CURRENT FILING DATE: 2004-03-25
 ; PRIORITY APPLICATION NUMBER: US/09/396,196
 ; PRIORITY FILING DATE: 1999-09-15
 ; PRIORITY APPLICATION NUMBER: 60/100,678
 ; PRIORITY FILING DATE: 1998-09-17
 ; NUMBER OF SEQ ID NOS: 127806
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 48277
 ; LENGTH: 25
 ; TYPE: DNA

RESULT 16
 US-10-719-900-867852
 ; Sequence 867852, Application US/10719900
 ; Publication No. US20050026164A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xue Mei Zhou
 ; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

i ORGANISM: *mus musculus*
US-10-809-189-48277

Query Match 68.6%; Score 14.4; DB 21; Length 25;
Best Local Similarity 68.8%; Pred. No. 2.4e+03;
Matches 11; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
QY 5 ACCUGGCCAGUGCUCU 20
Db 2 AACTGCCAGTCCT 17

Search completed: September 30, 2005, 10:13:59
Job time : 3585 SECs

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GenCore version 5.1.6
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On nucleic - nucleic search, using SW model

Run on: September 30, 2005, 09:06:54 ; Search time 2985 Seconds
(without alignments) 267.789 Million cell updates/sec

Title: US-10-738-413-1
Perfect score: 21
Sequence: 1 uaggaccugcagcgcucutt 21

Scoring table: IDENTITY_NUC
Gapext 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues
Total number of hits satisfying chosen parameters: 34436

Minimum DB seq length: 21
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : EST:
1: gb_est1:
2: gb_est2:
3: gb_htc:
4: gb_est3:
5: gb_est4:
6: gb_est5:
7: gb_est6:
8: gb_gbs1:
9: gb_gbs2:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	12.6	60.0	30	9 CL982942	CL982942 GC0170 TI
C 2	12.2	58.1	28	8 A2821702	A2821702 2M0094001
C 3	12.2	58.1	28	9 AG192441	AG192441 Pan trogl
C 4	11.6	55.2	28	1 A1370776	A1370776 q289c10.x
C 5	11	52.4	22	9 A1592231	A1592231 Arabidops
C 6	11	52.4	29	8 A2817949	A2817949 2M0148B23
C 7	10.8	51.4	26	8 A281857	A281857 2M0084A01
C 8	10.6	50.5	24	8 A2617463	A2617463 IM0448F15
C 9	10.4	49.5	28	1 A102578	A102578 DK2P2434J
C 10	10.4	49.5	28	8 A262513	A262513 IM0505N01
C 11	10.4	49.5	29	8 A2434477	A2434477 IM0256N22
C 12	10.4	49.5	30	4 BG124013	BG124013 60244775
C 13	10.2	48.6	22	8 A2603158	A2603158 IM0422L13
C 14	10.2	48.6	28	1 A1937308	A1937308 IM06h06.s
C 15	10.2	48.6	28	9 AB004341	AB004341 Mouse gen
C 16	10.2	48.6	29	8 A231508	A231508 IM0032G23
C 17	10.2	48.6	29	8 A26518039	A26518039 IM049004
C 18	10.2	48.6	29	8 A2653335	A2653335 IM0542J20
C 19	10	47.6	22	8 A234102	A234102 IM0045H23
C 20	10	47.6	22	8 A2355644	A2355644 IM0080J22
C 21	10	47.6	23	9 TA70C100	TA70C100 T. brucei
C 22	10	47.6	24	9 CL66753	CL66753 PR10153b
C 23	10	47.6	25	9 TA257D02Q	TA257D02Q T. brucei
C 24	10	47.6	10	AJ747615	AJ747615 AJ747615

POST-PROCESSING: Minimum Match 0%
Maximum Match 100%

LISTING FIRST 45 SUMMARIES

ALIGNMENTS

C 25	10	47.6	26	9 CG721091	CG721091 1119065D0
C 26	10	47.6	27	8 A2329457	A2329457 IM0053P08
C 27	10	47.6	27	9 CG723351	CG723351 111907A0
C 28	10	47.6	29	7 CR292082	CR292082 14900T--0
C 29	10	47.6	29	7 CF295445	CF295445 300GS--05
C 30	10	47.6	29	7 CF295451	CF295451 300GS--05
C 31	10	47.6	30	4 BM92665	BM92665 50711-2-1
C 32	10	47.6	30	4 BM93859	BM93859 5072-2-1
C 33	9.8	46.7	22	1 A1153141	A1153141 ud55a10.r
C 34	9.8	46.7	23	8 A2810074	A2810074 2M0074J19
C 35	9.8	46.7	23	8 A2810074	A2810074 2M0074J19
C 36	9.8	46.7	24	8 A2881136	A2881136 IM0396E09
C 37	9.8	46.7	25	8 A2834204	A2834204 1M0489C24
C 38	9.8	46.7	25	8 A280765	A280765 2M007L05
C 39	9.8	46.7	25	9 AG188322	AG188322 Pan trogl
C 40	9.8	46.7	26	9 TA310H08Q	TA310H08Q
C 41	9.8	46.7	26	9 CL43164	CL43164 PST4N
C 42	9.8	46.7	27	8 A2489568	A2489568 1M0522P04
C 43	9.8	46.7	28	8 A2641309	A2641309 1M0530G17
C 44	9.8	46.7	29	8 A2762309	A2762309 1M0557E09
C 45	9.8	46.7	29	8 A2766277	A2766277 IM0563A15

RESULT 1

CL982942 GC0170 TIGEM gene trap library Mus musculus cDNA clone 9122.5, mRNA sequence.

ACCESSION CL982942
VERSION CL982942.1 GI:52420370
KEYWORDS GSS
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butharia; Rodentia; Sciurognathi; Muridae; Murine; Mur. 1 (bases 1 to 30)

REFERENCE Cobelli G., Nicolau G., Marra E., Barbarisi M., Sardiello M., Di Giorgio F.P., Iovino N., Zollo M., Ballabio A. and Cortese R. Tagging genes with cassette-exchange sites

AUTHORS TIGEM
TITLE Unpublished (2004)
JOURNAL Contact: TIGEM
COMMENT 107

TIGEM

Via P. Castellino, 111, 80131 NAPOLI, ITALY
Tel: +39081570919

Fax: +39081570919

Email: cobelli@tigem.it

Sequence tag generated by 5' RACE of total RNA from gene trap ES cell line. ES cell lines harboring insertion mutation of target gene are available upon request from TIGEM. Annotation information available from TIGEM

Class: Gene Trap.

FEATURES Location/Qualifiers

SOURCE

1. 30

/organism="Mus musculus"

/mol_type="mRNA"

/strain="129 o/a"

/db_xref="taxon:10090"

/clone="9125.5"

/sex="male"

/cell_type="Embryonic stem cell"

/cell_line="E14"

/clone_line="TIGEM gene trap library"

/note="Vector: pFLIP1"

ORIGIN

Query Match Similarity 60.0%; Score 12.6; DB 9; length 30;
Matches 12; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

/note="vector: PWD2nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.Jax.org/resources/documents/dnare/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi:4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 52.4%; Score 11; DB 8; Length 29;
Best Local Similarity 57.9%; Pred. No. 1.4e+06;
Matches 11; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
Qy 2 AGGACCTGGCAGGCGCT 20
Db 8 ATGACCTGGCCATGATCAT 26

RESULT 7

LOCUS AZ815857 26 bp DNA linear GSS 20-FEB-2001
DEFINITION 2M0084A01F Mouse 10kb plasmid UGCGIM library Mus musculus genomic
CLONE UGCG2M0084A01 F, genomic survey sequence.

ACCESSION AZ815857
VERSION AZ815857.1
KEYWORDS GSS
SOURCE Mus musculus (house mouse)

ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. (bases 1 to 26)

REFERENCE Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, S., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)

JOURNAL Contact: Robert B. Weiss
COMMENT University of Utah Genome Center

University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunng@genetics.utah.edu

Insert length: 10000 Std Error: 0.00
Plate: 0084 Row: A Column: 01

Seq primer: CCTGTAACACGGCCAGT
Class: plasmid ends
High quality sequence stop: 26.

FEATURES source
1. 26
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="Taxon:10090"
/clone="UGCG2M0084A01"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCGIM library"

ORIGIN

Query Match 51.4%; Score 10.8; DB 8; Length 26;
Best Local Similarity 64.3%; Pred. No. 1.8e+06;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
Qy 8 UGCCAGCGCCTT 21
Db 19 TGCAGGGCTTT 6

RESULT 8

LOCUS AZ617463 24 bp DNA linear GSS 13-DEC-2000
DEFINITION 1M0448F15R Mouse 10kb plasmid UGCGIM library Mus musculus genomic
CLONE UGCG1M0448F15 R, genomic survey sequence.

ACCESSION AZ617463
VERSION AZ617463.1
KEYWORDS GSS
SOURCE Mus musculus (house mouse)

ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. (bases 1 to 24)

REFERENCE Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, S., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)

JOURNAL Contact: Robert B. Weiss
COMMENT University of Utah Genome Center

University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunng@genetics.utah.edu

Insert length: 10000 Std Error: 0.00
Plate: 0448 Row: F Column: 15

Seq primer: CACACGAGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 24.

FEATURES source
1. 24
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="Taxon:10090"
/clone="UGCG1M0448F15"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCGIM library"

/note="vector: PWD42nv; Purified genomic DNA from M. musculus C5BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.Jax.org/resources/documents/dnarecs/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|47321149b|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 50.5%; Score 10.6; DB 8; Length 24;
Best Local Similarity 70.6%; Pred. No. 2.2e+06;
Matches 12; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 2 AGGACUCGCCAGUCUC 18
Db ||||:||||||| 18 AGGAAGTCCAAACGCA 2

RESULT 9
AL042578

LOCUS AL042578 28 bp mRNA linear EST 06-JUL-2004
DEFINITION DKFZP434J0821_r1 434 (synonym: htes3) Homo sapiens cDNA clone
ACCESSION AL042578
VERSION AL042578.1
KEYWORDS EST.

SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 28)
AUTHORS Blum, H., Bauerachs, S., Mewes, H. W., Gassenhuber, J. and Wiemann, S.
TITLE EST (Blum, et al.)
JOURNAL Unpublished (1999)
COMMENT Contact: MIPS
MIPS

FEATURES Location/Qualifiers
Source

1. .28 /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="Taxon:9606"
/clone="DKFZP434J0821"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGGCIM library"
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ORIGIN

Query Match 49.5%; Score 10.4; DB 1; Length 28;
Best Local Similarity 61.5%; Pred. No. 2.8e+06;
Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 6 CCUGCCAGUCUC 18
Db ||||:||||||| 6 CCUGCCAGUCUC 18
3 CCTGCCNGTACTC 15

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DEFINITION IM0505N01R Mouse 10kb plasmid UGGCIM library Mus musculus genomic
clone UGGCIM0505N01 R, genomic survey sequence.
ACCESSION AZ642513
VERSION AZ642513.1
KEYWORDS GSS.

ORIGIN

SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 28)

REFERENCE Dunn, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Islam, H., Reilly, M., Rose, M., Stoker, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Title Mouse whole genome scaffolding with paired end reads from 10kb

plasmid insert

Unpublished (2000)

COMMENT

JOURNAL

Contact: Robert B. Weiss

University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

Tel: 801 585 5606

Fax: 801 585 7177

Email: dunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0505 row: N column: 01

Seq primer: CACCAAGAACAGCTTGACC

Class: plasmid ends

High quality sequence stop: 28.

FEATURES

Location/Qualifiers

1. .28

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ORIGIN

Query Match 49.5%; Score 10.4; DB 8; Length 28;

Best Local Similarity 75.0%; Pred. No. 2.8e+06;

Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 9 GCGAGGUUCUT 20
Db ||||:||||||| 9 GCGAGGUUCUT 20
3 GCCAGAGCTCT 14

COMMENT

JOURNAL

RESULT 11

A2642513

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SOURCE	Mus musculus (house mouse)		SOURCE			SOURCE				SOURCE																													
ORGANISM	Mus musculus		ORGANISM			ORGANISM				ORGANISM																													
COMMENT			COMMENT			COMMENT				COMMENT																													
JOURNAL			JOURNAL			JOURNAL				JOURNAL																													
CONTACT	Robert B. Weiss		CONTACT	Robert B. Weiss		CONTACT	Robert B. Weiss			CONTACT																													
University of Utah Genome Center			University of Utah Genome Center			University of Utah Genome Center				University of Utah Genome Center																													
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT			Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT			Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT				Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT																													
TELEPHONE	801 585 5606		TELEPHONE	801 585 5606		TELEPHONE	801 585 5606			TELEPHONE																													
FAX	801 585 7177		FAX	801 585 7177		FAX	801 585 7177			FAX																													
EMAIL	dbnngenetics.utah.edu		EMAIL	dbnngenetics.utah.edu		EMAIL	dbnngenetics.utah.edu			EMAIL																													
INSERT LENGTH	10000	Std Error: 0.00	INSERT LENGTH	10000	Std Error: 0.00	INSERT LENGTH	10000	Std Error: 0.00		INSERT LENGTH																													
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FEATURES	High quality sequence stop: 29.		FEATURES	High quality sequence stop: 29.		FEATURES	High quality sequence stop: 30.			FEATURES																													
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Laboratory Mouse DNA Resource			ECOR1; cDNA made by oligo-dT priming. Directionally cloned into ECORI/XbaI sites using the following 5' adaptor: GGCACGAGTC. Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."			ECOR1; cDNA made by oligo-dT priming. Directionally cloned into ECORI/XbaI sites using the following 5' adaptor: GGCACGAGTC. Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."					ECOR1; cDNA made by oligo-dT priming. Directionally cloned into ECORI/XbaI sites using the following 5' adaptor: GGCACGAGTC. Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."																												
(http://www.jax.org/resources/documents/dnars/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (gi 73214 gb AF120972.1), a copy-number inducible derivative of plasmid pRL. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."			Query Match	49.5%	Score 10.4;	DB 8;	Length 30;	Query Match	49.5%	Score 10.4;	DB 4;	Length 30;																											
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RESULT 13			Gaps 0;	0;	Gaps 0;	0;	Gaps 0;	0;	Gaps 0;	0;	Gaps 0;	0;																											
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REFERENCE			REFERENCE			REFERENCE				REFERENCE		REFERENCE																											
AUTHORS			AUTHORS			AUTHORS				AUTHORS		AUTHORS																											
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DB	29	CGGCGAGTC 18	DB	30	AGTAACGCAATGCTTT 11	DB	30	AGTAACGCAATGCTTT 11	DB	30	AGTAACGCAATGCTTT 11	DB																											
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Db	29	CGGCGAGTC 18	Db	30	AGTAACGCAATGCTTT 11	Db	30	AGTAACGCAATGCTTT 11	Db	30	AGTAACGCAATGCTTT 11	Db	30	AGTAACGCAATGCTTT 11	Db	30																							
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COMMENT			COMMENT			COMMENT			COMMENT			COMMENT			COMMENT																								
JOURNAL			CONTACT	Robert B. Weiss		CONTACT	Robert B. Weiss		CONTACT	Robert B. Weiss		CONTACT	Robert B. Weiss		CONTACT	Robert B. Weiss																							
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University of Utah Genome Center			University of Utah Genome Center			University of Utah Genome Center			University of Utah Genome Center			University of Utah Genome Center			University of Utah Genome Center																								
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT			Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT			Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT			Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT			Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT																											
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DEFINITION	1M0422L13F	Mouse 10kb plasmid UNGC1M library Mus musculus genomic	DEFINITION	1M0422L13F	Mouse 10kb plasmid UNGC1M library Mus musculus genomic	DEFINITION	1M0422L13F	Mouse 10kb plasmid UNGC1M library Mus musculus genomic	DEFINITION	1M0422L13F	Mouse 10kb plasmid UNGC1M library Mus musculus genomic	DEFINITION	1M0422L13F	Mouse 10kb plasmid UNGC1M library Mus musculus genomic	DEFINITION	1M0422L13F	Mouse 10kb plasmid UNGC1M library Mus musculus genomic	DEFINITION																					
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FEATURES	FEATURES
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ORIGIN	ORIGIN
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	Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
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VERSION	AB004341.1
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ORGANISM	Mus musculus (house mouse)
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AUTHORS	
TITLE	A YAC contig from the distal Mhc class I region on mouse Chr17
JOURNAL	Unpublished
REFERENCE	2 (bases 1 to 28)
AUTHORS	Yoshino,M.
TITLE	Direct Submission
JOURNAL	Submitted (29-MAY-1997) Masayasu Yoshino, U.T. Southwestern Medical Center, HMMI; 5323 Harry Hines Blvd, Dallas, TX 75235-9050, USA (E-mail: YOSHINO@UTSW.SMHED.EDU, Tel:214-648-5047, Fax:214-648-5453)
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	This clone is available royalty-free through LILN ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
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	High quality sequence stop: 22.
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	/clone="IMAGE:541243"
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	/clone_lib="Sores_NRL_T_GBC_S1"
	/note="Organ: pooled; Vector: pT7TD-Pac (Pharmacia) with a modified polylinker; Site 1: Not 1; Site 2: Eco RI; Equal amounts of plasmid DNA from three normalized libraries (fetal lung NB119W, testis NIH, and B-Cell NCI CGAP GCB1) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of 1.M.A.G.B. clones 27480-3-20207, 62632-68-7229, 726418-7-28711, and 272096-7-31399. Subtraction by Bento Soares and M. Fatima Bonaldo."

Query Match 48.6%; Score 10.2; DB 9; Length 28;
Best Local Similarity 53.3%; Pred. No. 3.5e+06;
Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
Qy 5 ACCUGCCAGUGCUU 19
Db 10 ACCTGGCCACTCTTT 24

Search completed: September 30, 2005, 11:04:02
Job time : 2992 secs